



JENNIE: "Why do you call 'Dandy' a Himalayan dog?"  
MAY: "Because we first found 'him-a-lay-in' on our doorsteps."



---

# JACKSON & CO. ---

## Hatters and Furriers...

Sole Agents in Boston for the celebrated...

**DUNLAP & CO.'S NEW YORK HATS.**

Also, a full line of our own styles.

**Canes, Silk Umbrellas,  
... and Opera Hats.**

126 TREMONT STREET, Opposite Park Street Church,

WILLIAM H. HOLLOWAY.

BOSTON.

---

**OAK GROVE CREAMERY COMPANY,**  
**DAIRY LUNCH ROOM,**  
 445 BOYLSTON STREET, COR. BERKELEY, opp. Y. M. C. A. Building,  
 Where can be had Sandwiches of all kinds, Soups, Tea, Coffee, and regular Dairy Lunch.

**EVERYTHING FIRST CLASS.**

Pure, Fresh-churned Butter, in Quarter-pound Prints, 5 and 10 Pound Boxes. Pure, Fresh Milk and Cream, delivered in Glass Jars. Fresh-laid Eggs. Pure, Full Cream Cheese, American (plain), Sâge, Neufchatel and Edam. All kinds of Fruit Ices.

**NELSON L. MARTIN.**

---

Standard  
Clothing Co.

LARGEST  
MANUFACTURERS OF CLOTHING  
IN AMERICA.

We sell direct to the consumer at from  
25 to 40 per cent less than the reg-  
ular retailers.

395 WASHINGTON STREET,  
BOSTON.

DISCOUNT TO MEMBERS OF THE CO-OPERATIVE SOCIETY.

**HIBBARD & MASON**

(INCORPORATED)

**Tailors,**

**MUSIC HALL PLACE,**

Telephone 570.

**Off WINTER STREET,**

**BOSTON.**

**DRESS SUITS, SILK LINED, TO ORDER, \$45.**

**Dress Suits to let.**



**BOAS, the Tailor,**

244 Massachusetts Ave.

**FINE CUSTOM TAILORING.**

Repairing in all its branches neatly and promptly attended  
to. Special prices to Tech Students.

ESTABLISHED 1843.

INCORPORATED 1895.

**"STUDENTS," ATTENTION!**

Largest Stock and Lowest  
Prices on

**MATHEMATICAL INSTRUMENTS**

and Drawing Materials of all kinds.  
Picture Framing a Specialty.

**FROST & ADAMS COMPANY,**

Importers and Wholesale Dealers,

"Special Rates to Colleges,"  
New Illustrated Catalogue Free.

37 Cornhill, Boston.

**Good Clothing.**

The four essentials in the manufacture  
of good clothing are

Style, Fit, Quality and  
Workmanship.

We combine all these qualities in our own make of *Clothing for Young Men and Boys* with 30 years' experience and all modern facilities at our command. We can honestly say that *Ours is the best beyond question*, and at *prices within reach of all*. Our *Fall Styles* are ready. You are cordially invited to call and examine, with the assurance that you will receive our best attention whether or not you intend purchasing. In fine grades we show a very handsome line of up-to-date styles and fabrics equal in all respects to custom-made clothing, employing only first-class journeymen tailors.

Suits . . . \$7.50 to \$28.00  
Overcoats . \$6.00 to \$30.00

*All Prices Between*

Don't fail to visit us, and don't forget our location, one  
minute from Washington St. Open Saturday nights.  
Satisfaction guaranteed or money refunded.

**SPITZ BROTHERS & MORK,**

67 and 69 Summer Street.

**BOWLING  
ALLEYS** IN**The Allen Gymnasium.**

Entrance: 22 Garrison Street.

Six finely equipped modern alleys, offering an excellent opportunity to Tech. men for team bowling, or by the string. A string or two before dinner gives relief from mental work, leaving the brain clearer for evening study, and will be found a good digester.

M. E. ALLEN.

**SPECIAL NOTICE.**

Pressing,  
Repairing and  
Cleaning.

Special prices to  
Students.Also a full line of Fall and  
Winter Samples on hand.

Note the Address:

**H. R. DOBSON,**

514 COLUMBUS AVE., BOSTON.

**Columbia Tailoring Rooms,**

I. SHEINWALD, Manager.

**Ladies' and Gents' Fine Tailoring.****Dress Suits To Let.**Fancy Dyeing and  
Cleansing.Goods called for and  
delivered free.

597½ TREMONT ST., BOSTON.

**ALBERT BENARI, Tobacconist,**

33 TREMONT STREET, BOSTON, MASS.

Agent for the Bohemian Mixture.

FINE LINE OF FRENCH BRIAR PIPES  
ALWAYS ON HAND.

**S. SIMONS.**

We carry Shoes made by all the leading  
manufacturers. Lowest Prices. Repair-  
ing neatly done.

46 Charles St., Boston, Mass.



**PANELLA & CORREALE,**  
Shoemakers      Shoes Shined.

Price List for Repairs: Gents, taps, handsewed, \$1.00;  
taps, nailed, 75c.; heels, 20c.

469 Columbus Ave.

**DR. EDWARD J. PALMER,**

DENTIST,

120 Tremont Street, Boston.

Opposite Park St., Subway.

**CALL AND SEE US**  
FOR YOUR  
**MEN'S FURNISHINGS.**

Newest Styles.      Lowest Prices.

**A. COHEN,**

329 Columbus Avenue, near Dartmouth Street.

Agency for Cambridge Laundry.

Laundry called for and delivered.

**Shoes**

ALL THE POPULAR SHAPES  
FOR YOUNG MEN IN



Black,  
Tan and  
Patent  
Leather.

OVERSHOES OF ALL KINDS.

Prices Reasonable.

Discount to Students of Technology.

**T. E. Moseley & Co.,**

469 WASHINGTON STREET.

**CARL J. HORNER,**

The  
Photographer,

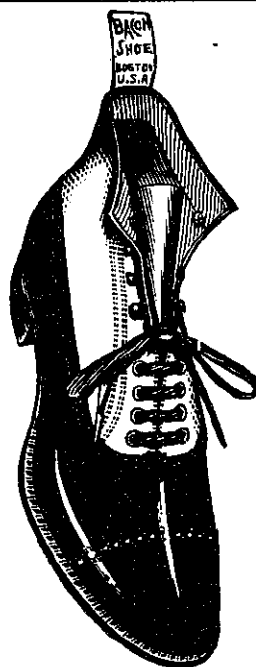
11 Winter Street, Boston.

Elevator to Studio.

**Highest Grade Work**  
**at Moderate Prices.**

Special Rates to  
Tech Students.

Senior Class Photographer to Wellesley College;  
Tufts College; Boston University; Andover Seminary;  
Mass. College of Pharmacy; Boston Dental College;  
Boston English High School; and many other schools  
and Colleges.



**The  
Bacon  
Shoe**

Style, usefulness and durability—the  
three are combined in one in the Patent  
Leather Bacon Shoe on Bull Dog  
last. And, too, the Patent Leather

**Won't Crack.**

We prove this fact in the only honest way—a new pair  
if it does. A printed guarantee goes with every pair we  
sell. Economical students can save money by buying the  
"Bacon Shoe."

F. V. Chipman & Co., \$ **4.**  
290 Washington St.  
83 Bedford St.



## Massachusetts Cafe.

ORDER COOKING AT ALL HOURS.

Fine line of Confectionery.

Hampden Fruit-Flavored Ice Cream.

Fruit of all kinds.

Choice Line of Cigars.

Open from 7 A. M. till 12 P. M.

**G. MUGAR & COMPANY,**

No. 587 Massachusetts Avenue, cor. Shawmut.

**A. S. ADAMS,**

Maker of the Official

M. I. T. PIN,

No. 8 WINTER ST., BOSTON.



The only Jeweler in the M. I. T. Co-Op. Catalogue.

Members wearing this Pin will be allowed 10 per cent discount on all purchases.

**VAUGHN'S POPULAR CANDY STORE,**

29 Tremont Street, opp. Museum.

Fine Home-made Candies a specialty. Popular prices.

## STUDENTS' SUPPLIES.

Writing Paper and Envelopes with TECH. Monogram and Imprint.

**PERIODICALS AND MAGAZINES.**

**LAUNDRY AGENCY.** Superior quality of Work. We call for and deliver goods.

**SOUTHWELL'S,**

Corner Dartmouth Street and Columbus Avenue.

## GYMNASIUM

Physical Training.  
Keep in condition by using our  
Gymnasium.

**Boston Young Men's Christian Association,**

Boylston and Berkeley Streets.

**Terms for Non-Resident Students, \$8.00 for College Year.**

**FULL TERMS, \$10.00 per year.** Including all other privileges of the Association.

**MEDICAL SUPERVISION.**

Fine Apparatus; Convenient Lockers; Frequent Classes; Free Instruction; Shower, Sponge, Spray, and Steam Baths; Running Track (raised corners). Open 9 A. M. to 10 P. M. Massage Department (services reasonable).

**ROBERT J. ROBERTS, Sr., Director.**

**GEO. L. MEYLAN, M.D., Medical and Physical Director.**

**N. E. SANDERS, A.B., Assistant Physical Director.**

**GEORGE W. MEHAFFEY, General Secretary.**

## St. Botolph Hall Cafe,

38 ST. BOTOLPH ST.

Weekly Board . . . . \$6.00.

21 Meals Ticket . . . \$7.00.

SINGLE MEALS

AT REASONABLE RATES.

Everything first-class.

The patronage of Students of the Institute  
is respectfully solicited.

M. DWYER.

The...

## Continental Clothing House

WASHINGTON and BOYLSTON STREETS.

• • •

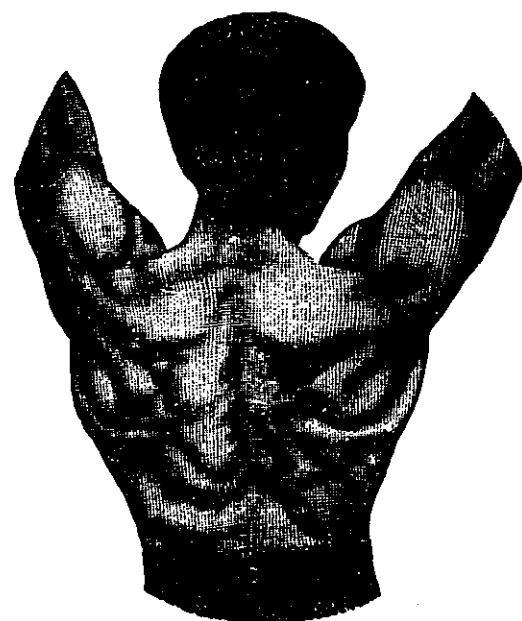
OVERCOATS, SUITS,

TROUSERS . . . . .

FURNISHING GOODS, HATS and CAPS.

• • •

**Largest Assortments at Lowest  
Prices . . . .**







**THE L. E. FLETCHER CO.**  
**COLLEGE OUTFITTERS**  
 158 BOYLSTON ST.  
 BOSTON MASS.

Very Best  
**LAUNDRY & WORK.**  
 Called for and delivered.

\*—M. I. T. Discount—\*

## Shirts to Measure

Our Specialty.

• • •

ALWAYS ON HAND:

**DRESS SHIRTS, COLLARS and CUFFS.**

• • •

Newest Effects in

**Neckwear, Gloves,  
 Hosiery, Pajamas.**

• • •

SPECIAL LINES OF

**Underwear, Golf Hose, Umbrellas  
 and Mackintoshes.**



**J. & W. Brooks & Co.**  
**Importing Tailors**  
 15 MILK STREET.  
 OPPOSITE OLD SOUTH CHURCH.

BIRTHPLACE OF FRANKLIN.

BIRTHPLACE 1706

LONDON OFFICE, 6 SAVILE ROW

**THE LARGEST ASSORTMENT OF FOREIGN WOOLLENS SHOWN IN BOSTON**

CO-OPERATIVE.



# THE TECH

VOL. XVIII.

BOSTON, NOVEMBER 10, 1898.

NO. 6

## THE TECH

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

MORGAN BARNEY, 1900, *Editor in Chief.*

STANLEY G. H. FITCH, 1900, *Assistant Editor in Chief.*

PAUL RAYMOND BROOKS, 1900, *Secretary.*

CLARENCE RENSCHAW, '99.

GERALD MARTIN RICHMOND, '99.

GUY PRENTISS BURCH, '99.

BERTRAM W. B. GREENE, 1900.

PHILIP COOMBS PEARSON, '01.

ELLIS FULLER LAWRENCE, '01.

P. Y. DUNWOODY, '01.

EDWARD B. COOKE, 1901, *Business Manager.*

THEODORE W. BRIGHAM, 1900, *Assistant Business Manager.*

A. E. LOMBARD, 1902, *Assistant Business Manager.*

### OFFICE HOURS:

Editor in Chief,

Saturday, 12-1 P.M.

*For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.*

*Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.*

Subscription, \$2.50 per year, in advance. Single copies, 10 cts. each.

Frank Wood, Printer, 352 Washington Street, Boston.

Entered in Post Office, Boston, Mass., as Second Class Matter.

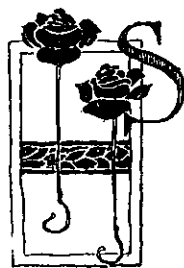


THE recent handicap games were encouraging in some respects but in others much was to be desired. The weather was too severe for many spectators, and a large number of Tech. men preferred the Harvard football game. In the Track events, the records show that with the same amount of training Technology men can compete favorably with any college team. Considering the cold, wet weather, the soft track, and absence of any cheers from enthusiastic classmates, the records were exceptionally good. In fact, Technology has

to-day probably the best class of sprinters and runners that it has ever had in its history. But in the weights the outlook is not so encouraging. We have good men, but they simply do not come out. If it were not for this our team would be a sure winner. In the high jump and the broad jump we are strong. Some of the men displayed a lamentable lack of training, but the nerve they showed was extremely gratifying. Summing up all these facts, the Meet was one of the most successful, from an athletic standpoint, that Technology has ever held.



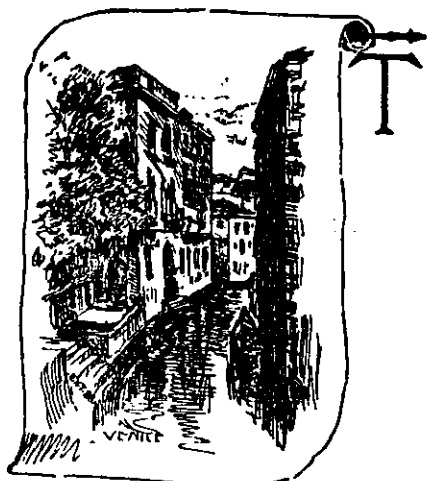
AT a meeting of the 'varsity Track team last Friday, Baxter, '01, was elected captain of the team in place of Burch, resigned. Baxter will be remembered by his steady and brilliant performances of last year. He won a large proportion of the points for his class in the class games, won first place in the high jump against Amherst, and second place at Worcester. The team has been very happy in its choice, and will win under Mr. Baxter if it is possible to win under any man.



SATURDAY'S game between Harvard and University of Pennsylvania, on Soldier's Field, was but another demonstration of a truth the general public has been so slow in recognizing; namely, that modern football is not accompanied by all the brutality that the enemies of the game would have us believe. However, in the past three or four years of its development the game has certainly undergone a marked improvement. Harvard won on her merits in



straight, up-to-date football, and all, save those who gave odds on the losing team, were pleased with the victory for which the Crimson has worked so long.



**T**OGETHER with the completion of the Pierce Building comes another improvement, which is more than welcomed by the numbers of men whose work necessitates trips to and from the Engineering Building. We refer to the alley between the new Westminster Chambers and Engineering A. This alley has always been a mudhole, impassable for a large part of the year. A wide, high sidewalk has been built from Trinity Court to the door of Engineering A, and a flight of steps equal in width to those now leading into the building are to be placed beside them, leading down into the alley, where a dry board sidewalk is to be built to meet the present brick one, thus permitting access to and from Clarendon Street. The matter has been frequently agitated in *THE TECH* in the past, but now we hope no further cause for complaint will exist.

#### Names of Buildings.

UNTIL further notice the former Architectural Building will be known as Engineering B, the original Engineering Building as Engineering A.

Rooms in the northern end of the Pierce Building reached by the entrance of Engineering B, will be designated and numbered as belonging to Engineering B.

#### NOT THIS TIME.

"What shall we drink?" she sweetly said.

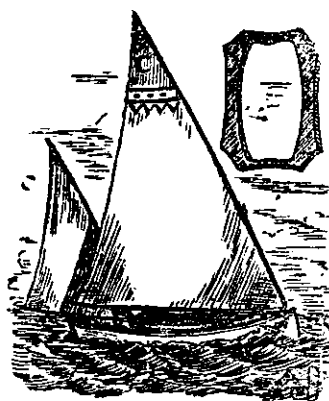
"Name it yourself, my pretty maid."

"Champagne, I guess, will do for me."

"Oh, guess again, my dear," said he.

—Brunonian.

#### At Riverside.



**VER** all New England the landscape was clad in summer array. It was June. But nowhere was June more in evidence than on the Charles; there was June in the foliage on the shore, June in the sky overhead, and little reserved bits of June in each canoe.

Dick was supposed to be paddling; but then, Dick was never really doing what he was supposed to be, and this time he was looking at Gladys, and thinking that she was the sweetest bit of June in the whole landscape.

Gladys was reading aloud. Presently she finished the story. "Wasn't it great, Dick?" she asked, enthusiastically. "Don't you like stories like that?"

"Look here, Gladys," said Dick, "why don't you write stories yourself?"

"O, I don't know," she laughed. "I have thought of it, but, dear me, it's so hard to begin, and I don't know what to write about, or who to write about, or anything."

"O, that's easy," he grinned a little maliciously. "Why here's a story here: I represent the valiant hero working hard [here she distinctly jeered] to make you, the heroine, enjoy yourself. I love you madly; you scorn me. Sorrow makes me absent minded, and I don't notice where we are going; a swift current carries us into the tree over there,—the one that has the branches reaching way over in the water; we are tangled hopelessly in its branches—we capsize. If you would like the details, and don't mind a wetting, we can rehearse now. You call wildly; they always call wildly in stories, don't they? 'Save me, Dick; save me!' I catch you by the hair, and swim ashore; clasp you in a tender embrace,—rather damp, but still, satisfactory,—and within a month you are Mrs. Dick An-



derson Noble. Isn't that story good enough for your ladyship?"

After a pause, Dick said quite seriously, for him: "Gladys, dear, don't you think you could write the last part of that story, the name part, you know? I'll get the license, the ring, and the minister, and all the new visiting cards you need; and the only thing you need do is to say one little 'Yes.' Won't you say it, dear?"

But Gladys was politely trying not to cover a yawn. "Have you done?" she asked. "Don't you know how foolish you are to start all that nonsense again? You always close every sensible conversation we have by asking me to marry you, and it's absurd! Maybe I will write a story, and maybe, because I know you so well, it would be easy. I'll make a sort of revised version of you, the hero; but we won't upset, and I won't end by falling in your arms, and I won't marry you, there!"

"All right," said Dick, resignedly; "you will spoil the story, but it's your funeral, not mine, and" —

"I thought we were discussing a wedding," she interposed demurely.

"Well, it's all the same," said Dick; "you needn't interrupt for a little thing like that, and, as I was going to say in the story" —

But what he was going to say is still unsaid, for catching a glimpse of Gladys's face at that moment, he was so alarmed at the stony stare that greeted him that he hastened to change the subject.

July, now, and canoeing is still in high favor.

"How about your story, Gladys?" Dick asked when they had filled the canoe with water lilies, and were lazily drifting down stream.

She blushed a little. "Oh, dear!" she started.

"Yes," said Dick, leaning over; "what can I do for you?"

"Shut up, Dick;" but she deigned to smile a little. "You know I didn't mean, dear, in that way."

"Yes; but I did, dear," he boldly asserted.

"If we were not in a canoe," she said with decided emphasis, "I would certainly throw a cushion at you."

"Do," said Dick; "they're stuffed with cork and float."

"Look here, sir, do you want to hear my story, or don't you? For if you interrupt again, you shan't hear one word!"

Thus threatened, with an expression of mock humility, Dick composed himself to listen.

"You see," Gladys continued, "I took your advice and put them in a canoe, and now I don't know what to do with them."

"Please may I ask something?" timidly questioned Dick.

"I suppose, if it's sensible."

"Are you speaking of cushions or people?"

Gladys regretted very much just then that she was in a canoe, for she could only punish him properly by total silence; and she knew that, having no other resort, she would punish herself even more by that course, so she decided to ignore his remark and go on.

"No, I don't know what to do with them, for I can't, or, at least, I won't, upset them, and I can't have a love scene, for it would be too ridiculous in a canoe; they couldn't, you know; they couldn't" —. She paused helplessly.

"Well, I don't exactly know," Dick helped her out. "I've never been there, you see; but I might guess."

"Anyway," she went on, "they couldn't; and who ever heard of a love scene where they didn't? So I don't see how I can end it, and I guess they'll have to keep on indefinitely drifting in the canoe."

Dick, deeply sympathetic, suggested: "Couldn't he paddle her to the shore? They could there, for there are some nice nooks about this river."



"I would like to know how you know?" she took him up quickly; "but, of course, it's none of my business, and I don't care if you have been in those 'nice nooks' with all the girls around Boston." She stopped for lack of breath.

After a moment Dick asked: "Are you going to accept my proposition, and let them have a love scene under the trees?"

"No," said Miss Gladys, with apparently uncalled-for sharpness. "I am simply sure she wouldn't have a love scene with him in any place whatever."

"She's a sensible girl," said Dick. "I always thought him a pretty poor sort of a fellow, myself."

Gladys looked up, surprised at this new tone of humility.

"But I am afraid there is only one other ending for your story, little girl," he went on.

"What is it?" asked she, not yet entirely restored to unruffled sweetness.

"This: he tells her in the canoe, you know, that he has loved her a long while, but that he realizes at last it is no use, and so he is going to accept a position in Chicago, and she probably won't be worried with him again."

"O Dick, how can you be so silly?"

The tone was petulant, and her foot was keeping such quick time on the floor of the canoe that Dick recognized the danger signal. But he went on: "That isn't silly; it's a very sensible conclusion, and founded on fact. I'm going West myself."

He half hoped she would protest, but no word came; the foot beat a little quicker time, perhaps, but that was all,—except that Gladys studied intently the floor of the canoe.

"What is it?" said Dick, putting an end to the rather painful pause.

"What's what?" asked Gladys.

"Whatever you are looking at on that piece of carpet."

Then she laughed and looked up, quite herself again; the lump in her throat had gone.

"Dick," she said, and the dimples began to show, "don't you think that would just be postponing matters? Don't you think he would come back?"

"I have grave doubts," Dick said. "He might come back, but with a Western wife to introduce to his former flame. Yes, on the whole, you had better end it that way, and be careful to dwell on the misery of the girl, as a lesson to her sex!"

"Which girl—the one he marries?"

"No, the one he did not marry."

"He would most likely find her married, anyway, and thanking her stars she had escaped him," sneered Gladys; and the foot resumed its lively tattoo.

"Well, have it your own way," said he, quite cheerfully; "it's your story."

And even that didn't satisfy her.

In a little while she began, "Do you honestly believe it would make the story lifelike to have him forget her for a Western girl?"

"Yes; on the whole, I think it would be a very probable ending, for you see she didn't care for him."

"But suppose she did care?"

"Too wild a hypothesis; you would have to write the whole thing over, for you have repeatedly said she did not care for him."

Silence again, save for that little restless, beating foot, and the little noise of the water against Gladys's trailing hand.

"Dick," she said, but it was quite low and he could just hear, "I won't end it your way."

"But what other way can you end it?"

"Why, I think I'll make her feel so sorry for him at the bare idea of his probable fate (Dick looks mildly surprised), that I—she, I mean—finds her pity akin to love, and so I—she, I mean—thinks she will go with him, merely as a sort of safeguard against the Western girls, of course. O Dick, stop; don't; what are you going to do?"

"I am pulling for that shady nook on the shore, sweetheart," said he.

M. B. M., '99.



# RICHMOND STRAIGHT CUT 10<sup>S</sup> IN TIN BOXES

are more desirable than ever—  
the new tin box prevents their  
breaking, and is convenient to  
carry in any pocket.

**For Sale Everywhere.**

## TEACHERS WANTED.

Union Teachers' Agencies  
of America.

REV. L. D. BASS, D.D., Manager.

Pittsburg, Toronto, New Orleans, New  
York, Washington, San Francisco, Chi-  
cago, St. Louis and Denver. There are  
thousands of positions to be filled. We  
had over 8,000 vacancies during the past  
season. Teachers needed now to con-  
tract for next year. Unqualified facilities  
for placing teachers in every part of the  
United States and Canada.

Principals, Superintendents, Assistants,  
Grade Teachers, Public, Private, Art,  
Music, etc., wanted. Prepares for Civil  
Service Examinations.

ADDRESS ALL APPLICATIONS TO:

**Washington, D. C., or Pittsburg, Pa.**

## Special Arrangements for Technology Students . . .



### Your Garments . . .

Sponged, pressed and repaired (small  
repairs) while you are at college, for  
**\$8.00 for the College Year . . . . .**

We call at your rooms each week for  
your garments, and return the same free  
of expense and no trouble to you.



*Telephone, Oxford 350,*

*or send postal to . . .*

**H. ALEXANDER & SON,  
149 KINGSTON STREET,  
BOSTON.**

Opposite United States Hotel.

BOXES FURNISHED  
FOR YOUR GARMENTS.



**WILLIAMS BROS.,****Importing  
Tailors.**

Prices Moderate.

Fur-Lined Coats  
a Specialty.

1458 Washington St., Boston.

**C. F. HOVEY & CO.,**

FULL LINES OF

**Gentlemen's Furnishing Goods.**Fine Custom-Made Shirts  
a Specialty.No. 33 Summer St., and 42 Avon St.,  
BOSTON.*"THE GIRLS ARE FOND OF THESE."***TECH. EMBLEMS.**Greatest variety.  
Lowest prices.**BENT & BUSH,**

387 WASHINGTON ST., BOSTON.

**CHARLES H. HITCHCOCK,**

Apothecary,

No. 150 HUNTINGTON AVENUE,

Corner West Newton Street,

BOSTON, MASS.

**L. P. HOLLANDER & CO.,****Makers of Fine Ready-Made Clothing.**

Sack Suits	.	.	from \$20.00 upward.
Covert Coats	.	.	" 20.00 "
Heavy Winter Overcoats	.	.	" 25.00 "
Tuxedo, and Dress Suits	.	.	" 35.00 "
Fancy Waistcoats	.	.	" 4.50 "
Mackintoshes	.	.	" 5.50 "

**HATS AND CAPS.****FURNISHING GOODS.**

We allow ten per cent discount to Members of the Co-operative Society.

202 to 212 Boylston Street, opposite Public Garden.





Mr. A. E. Lombard, '02, has been elected Assistant Business Manager of THE TECH.

The Cane Rush will be on November 22d, instead of November 12th, as previously announced.

The draw on the new steel bridge at New Bedford, Mass., was designed by Mr. Frank P. McKibben, '94, I., instructor at the Institute.

The 'Varsity Game with Tufts is always one of the most important of the season. Next Saturday's game ought to see scores of Tech. men cheering for our team.

At the meeting of the Civil Engineering Society, on Monday evening, A. B. Foote, '99, will speak on "Under-Ground Surveying in a California Gold Mine."

A meeting of the M. I. T. Yacht Club will be held in Room 22, R., at 4.15 P. M., to-day. It is desired that all yacht owners will be present as the annual election of officers will be held.

At a meeting of the Freshman Class on Monday, R. A. Pope, C. A. Smith, and W. T. Winchester were elected a Cane Rush Committee, and an assessment of 50 cents was voted.

Dr. Paul du Chaillu, the famous African explorer and traveler, will speak at the Technology Club Friday night. No Technology Club man can afford to miss what promises to be such an interesting event.

A joint debate between the Walker Club and the Debating Society has been arranged for next Monday evening, at the Technology Club; the question being, "Shall the United States Acquire the Phillippine Islands?"

The new military instructor, who has just arrived, is Capt. John Bordman, Jr., of A Battery, First Mass. Heavy Artillery. The exercises in military science will begin this week, at eleven o'clock, Saturday, in Huntington Hall.

It is announced that W. O. Adams, '99, who was to manage the minstrel show, has been obliged to resign the position on account of extra work to be taken up this term. Communications should be addressed to G. P. Burch, Cage, for the present.

At a recent meeting of the Wheelmen it was voted to establish in front of one of the buildings, for the benefit of the members of the Club, a set of combination stands and bicycle locks. The expense of this will be paid from the treasury of the Club. The President has appointed a committee to make some arrangement for the shelter of wheels in bad weather.

A meeting of the Junior Class was held on Monday. Treasurer Belknap reported that the Class was still in debt to an amount over \$340. It was voted that a committee be appointed by President Rapp to look after this debt. Mr. Sears and Mr. Leads were elected to the Co-operative Society. The Committee on the Class Canes reported that a great many of the canes had not been called for.

The Fourth-year drawing room for Course I. has been moved to 41 Architectural from room 41 Engineering, which is now to be used as a sort of museum. It will contain various working models of practical engineering problems, miniature bridge sections and the like, specimens illustrating iron and steel work, together with numerous drawings, plans, and photographs relating to civil engineering work.

Manager Page of the Musical Clubs announces the following dates: December 1st, at Milton, Mass.; December 5th, at Salem, Mass.; December 14th, home concert, Huntington Hall; December 19th, Every Day



Church, Shawmut Avenue. The Wellesley concert will be given some time early in January. After the Salem concert, which will be given in the Armory of the Second Corps Cadets, the Clubs will be tendered a dance by the local young people.

At the Senior Class meeting last Tuesday an amendment to the constitution was adopted, providing that five-year students who had been members of the class since their entrance should not be deprived of membership in the Senior year, even though not taking a majority of their studies with the Class of '99. It was also announced that the Class Dinner would be held at the Hotel Vendome December 16th, and tickets could be obtained (price \$2.50) from any of the members of the Executive Board.

Mr. J. W. Hart gave a wonderful exhibition of muscular strength and development on Friday at the Gymnasium. The breaking of stones with a blow of the fist, and other feats, were warmly applauded. Physical examinations were made, which showed a pulse beat at the rate of  $81\frac{1}{3}$  and a temperature of  $91\frac{1}{5}$  before and  $91$  and  $98\frac{1}{5}$  respectively after the exhibition. But even more interesting from a medical standpoint than the remarkably small variation shown by the above figures was the accompanying change of a weak-flowing pulse to one that was strong, tense, and full.

The November meeting of the Electrical Engineering Society was held in Room 22 Walker, on Tuesday evening, November 1st. Professor Puffer, the speaker of the evening, gave a most interesting talk on the new plant in Trinity Place, describing in detail the peculiar compensating device of the system to be installed there. By experiments with an actual working model of the system he showed that under all conditions the compensation was perfect. Mr. William L. Curry, '99, was unanimously elected a member of the programme committee, in place of Mr. Richmond, resigned.

## Tech. 22; New Hampshire State College 0.

WEDNESDAY, November 2, the 'varsity defeated New Hampshire State College 22-0 in a poorly played game. The Tech. team as a whole played a slack game. Maxson at quarter played best for Tech.; besides making many good plays, he saved Tech. from being scored upon by tackling a man a few yards from Tech's goal line after a 90-yard run. George at right tackle also played well for Tech. New Hampshire had a poor team which did not understand the game.

Four touchdowns were made. Nolte missed two difficult goals but kicked the others. George was hurt in the second half; Danforth took his place while Storey took Danforth's place. Line-up as follows: Pond, '02, Pope r. e.; Heckle, l. t.; Pope, l. g.; Laws, c.; Nesmith, l. g.; George, Danforth, r. t.; Stevens, l. e.; Maxson, q.; Danforth and Storey, l. h.; Morse, r. h.; and Nolte, f. b.

### Corrections.

THE TECH wishes to apologize for the mistake in the list of Junior Class officers. Instead of Mr. Russell, Mr. R. P. Roberts was elected to the Institute Committee. Owing to the fact that the Secretary did not post the election returns till two days after the election, THE TECH was obliged to depend upon unofficial information. Instead of Mr. Taylor, Mr. H. S. Saylor is director of the Freshman Class. The error was due to a misprint.

### Technology Calendar.

*November 10.*—Meeting of the Yacht Club, 4.15 P. M., 22 Rogers.

*November 11.*—Meeting Y. M. C. A., 4.10 P. M., 11 Rogers. Subject, "Conversion of St. Paul." Technology Club, Paul du Chaillu, the African explorer, speaks.

*November 12.*—Football, 'Varsity vs. Tufts, at Tufts College Hill.

*November 14.*—Meeting Civil Engineering Society, 7.45 P. M., 22 Engineering.

*November 16.*—Meeting L'Avenir, 26 Walker, 4.15 P. M.





'82. The Class held an informal meeting at the Technology Club on Oct. 31, 1898. Mr. T. B. Carson, II., of Davenport, Iowa, the special guest of the evening, met his fellow-classmates for the first time since graduation.

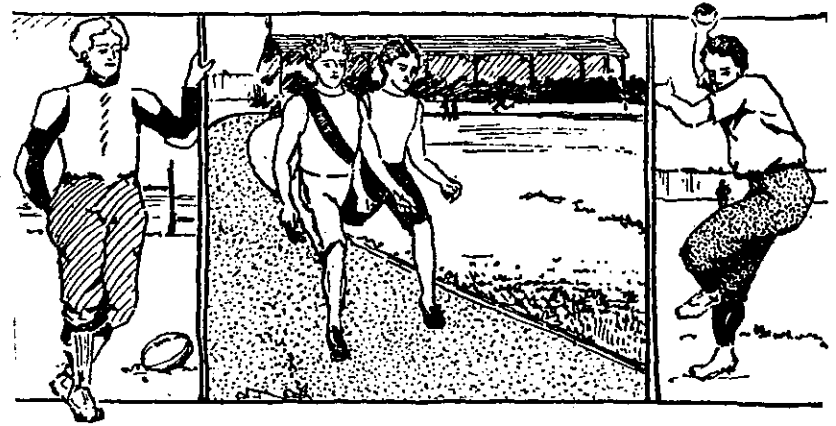
'82. Mr. Geo. E. Warren sailed for Europe on October 29th. He expects to visit France in the interests of the Goodyear Shoe Machinery Co., with which he is connected.

'93. F. N. Dillon, President of the Class of '93, was married November 9th, at Leominster, Mass., to Miss M. D. Morse.

'93. Class Secretary F. H. Fay has sent out the yearly catalogue of the Class of '93. This contains besides a very complete list of members, with their occupations and addresses, accounts of the two last annual meetings and dinners, and a letter to the Class from C. W. Taintor, describing a dinner of three members of the Class held in Kioto, Japan.

'96. Butler Ames has recently returned from Porto Rico with the Sixth Massachusetts Regiment. Ames, at the beginning of the war, held a commission as Lieutenant with Light Battery A, Second Brigade, M. V. M., but resigned to accept the adjutancy of the Sixth. Later, upon the resignation of the commanding officers of the regiment, Ames was appointed Lieutenant-Colonel.

'98. Mr. Harvey L. Currier, II., is in the erecting department of the Wm. Cramp & Sons Ship and Engine Building Company, of Philadelphia, Pa.



Dorchester High defeated the Freshmen last Friday, 11-0.

Pray was elected captain of the '99 Track team. Hall, '02, has been elected captain of the Freshman Track team.

Nine men went on the Hare and Hounds run last Saturday, at Arlington Heights. The trail of about six miles was laid by Emery, '00, and Balcom, 00, as hares.

Williams has some good men in the two lower classes. In the fall meet, Rooney, '01, won the 100 yards in  $10\frac{1}{5}$  seconds, and Spencer, '02, the mile in 5 minutes 32 seconds.

Results in tennis tournament: Doubles, 1st round, Cutter and Saylor beat Howe and Saunders, 6-4, 6-2; Singles, Thatcher beat Brownell in 2d round, 6-8, 6-2, 7-5; Semi-finals, Street beat Shepard, 6-0, 6-2.

Burdett College defeated '01 Wednesday, November 2d, 16-0. The Sophomores played a fair game, but the college team was too heavy for them. The line-up of '01 was as follows: r. e., Cross; r. t., Eager; r. g., Cross; c., Derby; l. g., Parrok; l. t., Walsh; l. e., Dorsey; q. b., Shepard; r. h. b., Haley; l. h. b., Arnold; f. b., Dierdan.

Our Freshman team defeated Chelsea High, November 2d, 8-0. The class team played a good game. Chelsea was forced to a safety. Line of '02: Fisher, l. e., Burr (Strout), l. t.; Malted, l. g.; Chalifoux, c.; Lloyd, r. g.; Finnernan (Smith), r. t.; Burr (McCarty), r. e.; Nagle, q. b.; Allyn, l. h. b.; Horr, r. h. b.; Parker, f. b. Touchdown, Horr.





VERILY it is many moons good time since the Lounger has witnessed such a display of muscular development as was discernible to the naked eye in the corridor of Rogers on the occasion of our recent Freshman non-election. And there was not lacking accompaniment of certain noises which it is said reached to the innermost confines of presidential office,—nay, even to the official ear of the President himself. At the height of the melee that gentleman was seen by some to emerge from the above-mentioned confines, and to enter into the midst of the throng of gladiators, where, unfortunately, he was immediately lost to the public view. Happily, by the heroic and untiring efforts of the President of the Senior Class, assisted by Ch-lm-rs, 1900, he was recovered at a later date; but for the time being presidential dignity descended to the shoulders of the officials of the Mining department, many of whom were observed standing at a becoming distance and duly admiring the novel spectacle. Too much credit cannot be given these gentlemen for conducting the contest in a fair and manly way, and observing a strict impartiality in the enforcement of the rules of the game. The Bursar did not appear upon the scene, being fearful lest his presence should cause an embarrassing hush to fall upon the enervating proceedings—truly a remarkable case of self abnegation. The Juniors, also, many of whom were present, deserve a word of commendation for successfully restraining a very natural impulse to shed Sophomore gore; yet it is difficult to see wherein the occasion demanded a cheer from them—conduct more befitting an untried Freshman than the dignity of an upper classman. A Freshman ballot-box and a Freshman constitution, with due expenditure of labor, may be replaced, but the Lounger cannot but deplore the loss of many fine panes of glass and certain other damages to Institute property,—unavoidable participants as it appears, in the affair. Unfortunate, also, is the position of certain Sophomores, denied by presidential order the

privilege of attending classes, because of connection with said destruction of property, now engaged in attending classes while avoiding the presidential eye.

Very touching as well as well as very sad was the action of that modest and innocent Freshman who, being an ardent worshiper at the shrine of Thespis, journeyed, at ill-afforded expense, to the upper regions of Mechanic's Fair in the fond hope of assisting at the presentation there afforded by our friend Keith, but who, upon reading the announcement, "Free to all Fair Patrons," disposed over the entrance, bashfully and mournfully withdrew, not believing himself worthy, in the bottom of his gentle heart, of being considered among the number designated by the adjective. Surely such an attractive little creature should have a protective tariff placed upon him, as the home production is not of quantity sufficient to indicate that it is as yet upon a self-supporting basis.

Realizing that a public good is a private gain, the Lounger cannot fail to reap a valuable harvest from those of his readers who have adopted the custom of consulting his wisdom through the medium of the copy of this journal, placed on file in the new reading room. It was with a glow of personal pleasure that he lately watched a never-ending stream of readers, pushing and jostling each other to obtain a view of the copy, yet it pained him to witness the inconvenience to which they were put by reason of their great numbers. For a more complete gratification of their desires he will say that the identical article may be found, for a modest pittance, at the office of THE TECH, at any hour of the day or night.

While the occasion of last Saturday's victory of the institution across the Charles could hardly in any way be claimed for the Institute, of our numbers many were able to share in the festivities of the evening. Those in a position to know assert that walls of Reynolds' tavern responded to Tech. yells hardly less frequently than those of the victors; and that the latter, properly incensed thereat, saw fit to institute certain rushings up and down the hall, the whole constituting a scene very closely resembling our own affair of the preceding Monday, on a larger and more beautiful scale. The Lounger had not the pleasure of officially assisting, but for some time to come he will continue to treasure as a souvenir a hat with a crimson band properly crushed and duly torn about the crown, which as a mere chance fell in his way.



# TURNER, TAILOR,

252 Boylston St.

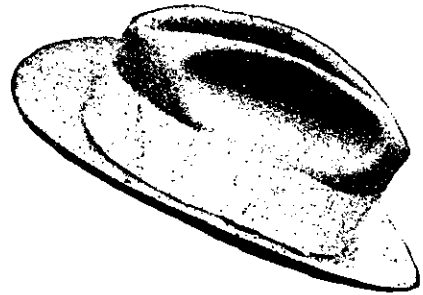
DISCOUNTS TO TECH. STUDENTS

Winter Opening.

## HALL & HANCOCK,

Novelties in

Soft  
Hats...



Canes, Umbrellas,  
Hat Cases and Gloves.

407 WASHINGTON STREET.

MEMBERS OF THE CO-OP.

## Students Will Find

SUPERIOR

Drafting Instruments,  
Drawing and Blue Process Papers,  
Scales, Triangles, Curves,  
T Squares, Colors, etc.,

AT THE MANUFACTURERS.

### Wadsworth, Howland & Co.,

INCORPORATED,

218 CLARENDON STREET.

Main Office: 82 & 84 Washington St., Boston.

Factories: Malden, Mass.

SPECIAL RATES TO STUDENTS.

## F. BURBANK & CO.,

EXPERT

### Stenographers and Typewritists

ROOM 608 TREMONT BUILDING,  
73 TREMONT STREET, BOSTON.

Telephone, Haymarket 1399-3.

Shorthand Dictation.  
Dictation direct to Machine.  
Copying.  
Mimeographing.



*Kuyler's*

146 Tremont Street, Boston.  
Delicious  
Bon-Bons and Chocolates.

New Tech Fin.

HENRY GUILD & SON

Have the best Tech Pin yet for 75 cents; also a combination of gold and silver for \$1.00, and Solid Gold at \$2.50. For sale at the Institute and

433 Washington St., Boston.

**WRIGHT & DITSON,**  
FINE ATHLETIC GOODS.

EVERY REQUISITE FOR

FOOT BALL,  
HOCKEY,  
SKATING,

BASKET BALL,  
PHOTOGRAPHY,  
and the GYMNASIUM.

**TETHER BALL** A new game, invented by Mr. Lehmann, of Oxford College, England.

Catalogues, Samples, etc., sent Postpaid to any Address.  
Mail Orders given prompt and careful attention.

**WRIGHT & DITSON,**  
344 Washington Street, - - BOSTON, MASS.

All Goods Required by  
Students at

**MACLACHLAN'S.**

214 CLARENDON STREET.

Drawing Instruments and Materials, etc.  
Fountain Pens, Text Books.

**Priest's**  
**DINING ROOMS.**

No. 102 Dartmouth Street.

..PRICES..

Full Ticket, 21 Meals . . . . .	\$4.00
Breakfast and Dinner, 14 Meals . . . . .	3.00
Breakfast, 7 Meals . . . . .	1.50
Mid-day Dinner, 7 Meals . . . . .	1.00
Dinner, 7 Meals . . . . .	1.50

GEO. H. GREENWOOD,

9-11 Boylston Street.



Fine Briar and  
Meerschaum Pipes,  
and  
Smokers' Articles.

**THE BRUNSWICK,**

**BOSTON.**

Boylston and Clarendon Streets,  
(Adjoining Copley Square)

Near the Museum of Fine Arts,  
New Public Library, New Old  
South Church, and opposite  
Trinity (Phillips Brooks')  
Church, and Institute  
of Technology.

KEPT ON BOTH AMERICAN AND  
EUROPEAN PLANS.

BARNES & DUNKLEE, Proprietors

H. H. BARNES, Manager.





UMBRELLAS.

## \*FURS AND HATS.\*

GEO. L. GRIFFIN &amp; SON,

Next door to Macullar, Parker &amp; Co.

404 Washington Street, Boston.

Correct Styles in Gentlemen's Hats.

HAT BOXES.

## The Dartmouth Laundry

SATISFACTION  
GUARANTEEDSEND US A  
POSTAL CARD.

STUDENTS' WORK A SPECIALTY.

DISCOUNT TO MEMBERS  
CO-OPERATIVE SOCIETY.WORK CALLED FOR  
AND DELIVERED.

721 Tremont Street.

TWO DOORS FROM CONCORD SQ.

GEO. M. CARRUTHERS, Agent.



Week commencing November 14, 1898.

**Hollis Street Theatre.**—"The Little Minister," the success of the century, with Miss Maude Adams and the original company and stage settings, will enter upon the last week of its successful Boston engagement.

**Castle Square Theatre.**—"The Solicitor," a farce comedy, will be given for the first time at

this theatre. The play had a long run at the Boston Museum in 1891.

**Park Theatre.**—Miss Anna Held will continue her success as "Susette" in "A French Maid." She is ably supported by Charles Bigelow and a reliable company. A new specialty will introduce Miss Held in her "stamp post" dress.

**Boston Museum.**—Mr. Andrew Mack, the singing comedian, will produce for the first time in Boston a new play, entitled "The Ragged Earl."

**Boston Theatre.**—An old favorite, Mr. James Herne, returns to Boston for a brief engagement, presenting his successful play, "Shore Acres." His daughter, Miss Julie Herne, is in the support.

**Tremont Theatre.**—Mr. De Wolf Hopper will present for the first time in Boston his latest operatic success, "The Charlatan." The opera is by Sousa and Klein, the authors of "El Capitan." Nella Bergen, Alfred Klein, and Arthur Cunningham are in the support.

DISCOUNT of  
**10%**  
GIVEN TO  
TECH. Students.

**COES & STODDER**  
**GENTLEMEN'S IMPORTED**  
AND DOMESTIC  
**SHOES**



FALL AND WINTER  
LOW QUARTERS

PRICES  
4.00 TO 9.00

14 SCHOOL ST. AND  
78 BOYLSTON ST. BOSTON.

English factory at Long Buckby  
near Rugby, Northamptonshire, England.



# THE Union Gymnasium

48 BOYLSTON ST. (near Tremont).

PRACTICAL.

Complete  
Modern  
Apparatus.

Popular  
Classes.

Terms,  
\$5 and \$8  
per Year.



POPULAR.

Extra  
Large  
Lockers.

Competent  
Instructors.

No Extra  
Charge  
for Instruction

**BOSTON YOUNG MEN'S CHRISTIAN UNION.**

WM. H. BALDWIN, Pres.

GEORGE PEIRCE, Sec'y.

Always Reliable

**HORACE PARTRIDGE & CO.,  
Athletic Outfitters.**

Our goods are calculated to afford the utmost comfort and pleasure in every line of recreation.

**Football. Baseball. Tennis.**

Sweaters, Jerseys, Skating Outfits, and everything for health and sport. Prices special to TECH. STUDENTS.

**HORACE PARTRIDGE & CO.,**  
55 and 57 Hanover Street, - Boston, Mass.

**W. PRESTON HEALE,**

361 A Columbus Ave.,

**Jeweler.**

Watches Repaired.



Buy your Waterman of

**C. M. LEWIS, '99, III.**

Complete line always on hand.

For Tech Students only . . . . .  
**SOCIETY DANCING and**  
**Social Forms, Manners and Customs**



I shall give a course of twenty lessons, at 200 Huntington Avenue (Legion of Honor Building), on *Friday evenings*, from 8 to 10 o'clock, commencing November 4th.

\*\*\*\*

**TUITION:** \$10.00; one half payable at beginning, the balance at the eighth lesson.

**DRESS:** Such as is worn at daily school exercises,—thin, flexible shoes, with leather soles, being the only change necessary.

Respectfully,

**MELVIN BALLOU GILBERT,**

President of the American Society of Professors of Dancing, New York.  
Principal of the Gilbert Normal School for Teachers of Dancing, Boston, Mass.  
Teacher of Esthetic Dancing at Harvard Summer Normal School, Hemenway Gymnasium.  
Teacher of Society Dancing for Harvard Students, Hemenway Gymnasium.

\*\*\*\*

**RESIDENCE AND OFFICE:** 144 St. Botolph Street, Boston.  
Office Hours from 10 A. M. to 4 P. M.



**CO STUDENTS:**



Are you fully aware that you can furnish your rooms from

## HOUGHTON & DUTTON'S

For less money than from any other house in Boston?  
We give you below a very few hints; run them down  
and convince yourselves of the truthfulness of our claim.

### FURNITURE.

White Enameled Beds, Brass Trimmings, etc.	\$2.75 to \$17.98
Mattresses in great variety . . . . .	1.50 " 18.98
All-Feather Pillows . . . . .	.97 " 5.00
Bed Springs . . . . .	1.25 " 6.98
Chamber Suites, various woods and styles . . . . .	9.98 upward.
Chiffonniers . . . . .	3.97 " 19.98
Rockers, plush and rattan, every style . . . . .	1.47 " 19.98
Lounges and Couches, every style . . . . .	4.98 upward.
Chiffonnier Beds, with mattresses and springs, . . . . .	14.98 "

### RUGS.

#### CARPET SIZES.

Afghan Smyrna,	6 x 9 feet . . . . .	\$5.48
" "	7½ x 10½ " . . . . .	7.98
" "	9 x 12 " . . . . .	10.98
Wool Smyrna,	6 x 9 " . . . . .	9.48
" "	7½ x 10½ " . . . . .	14.98
" "	9 x 12 " . . . . .	20.98
Fine Axminster,	4½ x 6½ " . . . . .	7.48
" "	6 x 9 " . . . . .	14.78
" "	7½ x 10½ " . . . . .	24.48
" "	9 x 12 " . . . . .	26.98

**STUDENT LAMPS.**—The nickel-plated "PERFECTION," the best and most popular Lamp for study or reading, \$2.73  
**DECORATED CHINA CUSPIDORS** . . . . . 39 cents to \$4.98

### UPHOLSTERY.



**THIS** you will find an admirably equipped and conducted department. **CURTAINS** and **DRAPERIES** of all kinds, **SOFA PILLOWS**, etc., always at **BOTTOM PRICES**.  
**SPECIAL ORDERS** executed by skillful workmen, measurements and estimates being made **FREE OF CHARGE** on orders either large or small.

## THE Henry F. Miller PIANOS

Are built for buyers who consider quality more than price.

### PIANOS FOR RENT.

Warerooms, 88 BOYLSTON STREET.

President,  
T. E. TALLMADGE, '98.

Vice Pres. and Bus. Mangr.,  
G. C. WINSLOW, '99.

## M. I. T. CO-OPERATIVE SOCIETY.

Managed by students of M. I. T.

Proceeds devoted to scholarships.

### The Co-operative Supply Rooms

Handle a full line of Drawing Materials and Text-Books at low prices.

A CO-OPERATIVE SOCIETY MEMBERSHIP TICKET entitles the owner to discounts on goods bought from any of the tradesmen in the Society's Handbook.

## E. O. SABINE, Ladies' and Gents' Dining Room

21 MEAL TICKET, \$5.00.

Nos. 202 and 204 Dartmouth Street.

## B. BERNSTEIN, Hairdressing Room, 368 Columbus Avenue, BOSTON.

## Scientific Books }

**DAMRELL & UPHAM,**  
The Old Corner Bookstore,  
283 Washington St., Boston.



# A. H. MATZ & CO., Merchant Tailors, 347 Columbus Ave.

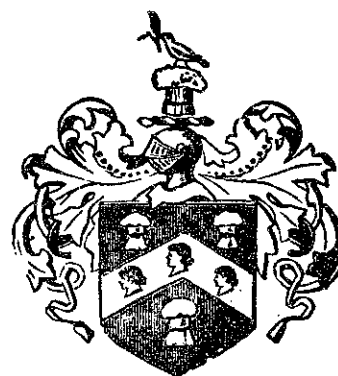
It will give you pleasure to inspect our  
VERY ATTRACTIVE LINE of seasonable  
goods. LONDON NOVELTIES and DO-  
MESTIC FABRICS.

We have had marked success in pleas-  
ing students, and hope new men will  
make our acquaintance.



Cleaning, Pressing and Repairing done by expert  
workmen.

Pressing by the month, three dollars. Called for  
and delivered free of charge.



# J. C. LITTLEFIELD, Tailor and Outfitter,

21, 23 Beacon Street,  
Boston.

I can offer you a larger and more complete assortment  
than can be seen elsewhere, and at lower prices for the  
same qualities. Look in and examine my prices before  
placing your order.

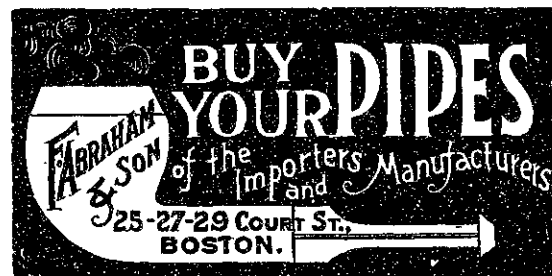
Golf Breeches, Riding Breeches, and Dress  
Suits a Specialty.

DISCOUNT TO STUDENTS.

# Robey M. Peters, Tailor, 231 Berkeley St., cor. of Boylston.



We like to call your attention to our  
Specialty of Pressing and Repairing.



Class and Monogram Pipes Our Specialty.

*Elmer Chickering,*

The Leading Photographer.

21 WEST STREET, BOSTON.

SPECIAL RATES TO M. I. T. STUDENTS.

\*\*\*

Class Rate 1898-99.

Crown Photograph — Carbonette Finish . .  
FIRST DOZEN, \$3.00 \* ADDITIONAL DOZENS AT \$2.00  
FOUR DOZEN (50) PICTURES ORDERED AT ONE TIME, \$8.00  
EIGHT DOZEN (100) PICTURES ORDERED AT ONE TIME, \$12.00  
With each lot of four dozen two finished proofs allowed.  
With each lot of eight dozen four finished proofs allowed.  
Each extra position finished for fifty cents each . . .  
Ten extra pictures given free with every order for 50 . .  
Fifteen extra pictures given free with every order for 100.

